

Sprint-2

Project: Smart waste management in metropolitan cities

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WOKWI

sketch.ino diagram.json libraries.txt Library Manager

```
1 #include <WiFi.h> // library for w
2 #include <PubSubClient.h> // library for M
3 #include <LiquidCrystal_I2C.h>
4 #include <mjson.h>
5 LiquidCrystal_I2C lcd(0x27, 20, 4);
6
7 //----- credentials of IBM Accounts -----
8
9 #define ORG "en0qpv" // IBM organisation
10 #define DEVICE_TYPE "Nodemcu" // Device type ment
11 #define DEVICE_ID "IBM3" // Device ID mentioned in
12 #define TOKEN "smartwaste3" // Token
13
14 //----- customise above values -----
15
16 char server[] = ORG ".messaging.internetofthings.ibmcloud.com";
17 char publishTopic[] = "iot-2/evt/data/fmt/json";
18 char topic[] = "iot-2/cmd/led/fmt/String";
19 char authMethod[] = "use-token-auth";
20 char token[] = TOKEN;
21 char clientId[] = "d:" ORG ":" DEVICE_TYPE ":" DEVICE_ID;
22
23 //-----
24
25 WiFiClient wifiClient;
26 PubSubClient client(server, 1883, wifiClient);
27
28 #define ECHO_PIN 12
```

Simulation

Restart the simulation

00:01.112 79%

OUTPUT

Add Device

The recent events listed show the live stream of data that is coming and going from this device.

Event	Value	Format	Last Received
data	{"Warning":20.95}	json	a few seconds ago
data	{"Warning":20.95}	json	a few seconds ago
data	{"Warning":49.98}	json	a minute ago
data	{"Warning":49.98}	json	a minute ago
data	{"Warning":11.03}	json	a minute ago